Innovation and Incubation Related Activities

To enhance research activities and cultivate pleasant research atmosphere, a multi-crore state of the art building with all modern technical facilities is established at CBIT. It accommodates all departments to carry out advanced research, establish incubation cells and start-ups. The R&D Centre, with its State-of-the-Art Infrastructure, has been established to promote Research and Innovations amongst the Faculty and Students by identifying new Research Areas, developing Projects leading to Publications, Products, Innovations and Start-Ups. The primary focus will be on the Time and Cost bound Projects sponsored by Government, Public, Private, National and International Agencies and Autonomous Bodies. To achieve results on these sponsored Projects within the acceptable timelines, the Centre has been structured into Sectional Areas for streamlining its functioning in different Technology Domains. The Sectional Areas will together cover all the Disciplines/ Inter Disciplinary Topics in which the Institute has expertise. All research activities are being streamlined to make a mark in 'Make in India' concept of Indian Government.

MSME Incubation Centre

CBIT has established its Business incubator with MSME in the year 2019. The main aim of the incubator goes hand in hand with MSME and ACIC objectives. The main goal is to nurture ideas from professionals / students/ local community and foster such entrepreneurial ideas in a supportive environment before they become attractive for venture capital. The Incubation center aims to promote and support untapped creativity of individual innovators and to assist them to become technology-based entrepreneurs. It also seeks to promote networking and forging of linkages with other constituents of the innovation chain for commercialization of their developments, provide support and training for students and innovators who are interested in converting their social ideas into social startup. Incubation Centre, CBIT facilitates necessary infrastructure, prototype development support, research assistance, help in getting funding, business consulting assistance, mentoring and guidance to make their idea into a successful venture.

The proposed Innovation and Incubation policy will be applicable for all MSMEs, startups, incubates under CBIT-MSME Incubation center managed by CBIT and also the ACIC-CBIT Incubation center which will under final approval. The incubation Centre aims at :

- To create awareness about the importance of entrepreneurship among the students and local community
- To promote new technology/ knowledge/ innovation-based startups.
- To promote design thinking process among the incubates and provide the platform

for speedy commercialisation of technology
- To enhance the domain knowledge / skills to develop the innovative products / services
- To build a vibrant startup ecosystem, by establishing a network between academia, financial institutions, industries, and other institutes.

Six MSME Start-ups are being mentored at ACIC-CBIT R&E Foundation for Innovative product development. One Women Entrepreneurs is being supported.

A strong student and alumni network to support in ideation

Alumni are the strongest representation of CBIT in the outside world. The CBIT Alumni is a family of more than 30000 Alumni, many of them are doing extremely well in their respective fields and also contributing to the growth of our institute with their support and expertise. The Alumni Relations Team engages in various initiatives to connect with the alumni at various platforms such as -

✓ **Mentorship Programs**: Building a strong mentor connect between alumni and interns to help the interns in the organizations.

✓ **Alumni connect drives**: Connecting with alumni during various drives and taking their feedback to grow further.

✓ **Guest Lectures:** Inviting industry experts to share knowledge with students.

✓ **Alumni Meets**: Hosting meets to develop strong bond with them.

✓ **Homecoming** - Alumni from different batches come back to college for two days to relive those moments and memories.

Institute Innovation Cell and ARIIA Ranking.

CBIT has established its own Institution's Innovation Cell (IIC) to systematically foster the culture of creative thinking amongst its students aspiring to be entrepreneurs with innovative minds. Primarily, IIC established at CBIT will engage large number of students, faculties in various innovation and entrepreneurship related activities such as ideation, Problem solving, Proof of Concept development, Design Thinking, IPR, project handling and management at Pre-incubation/Incubation stage, etc., to establish innovation and entrepreneurship ecosystem. IIC conducts a number of programs related to Innovation, Incubation, Entrepreneurship, Startups and IPR related activities for the students and faculties in order to create innovation culture. IIC organised 50 Plus Programs for students and faculties related to Innovation, Incubation, IPR and Entrepreneurship. World Entrepreneurship day was celebrated at CBIT where many experts delivered lecture sessions and shared their experience. A number of IPRs are filed under the initiative of the IPR Cell and IIC.

Performance Rating: CBIT was awarded 97.5 marks out of 100 and also obtained 103 Reward marks which helped CBIT to be among the Top Performers (with **4 Star Rating, one among the highest rating evaluated by MIC**).

CBIT IS Recognised in the Band **"EXCELLENT"** category in the ATAL Ranking of Institutions on Innovation Achievement (ARIIA) 2021.

ARIIA and IIC Certificates

Partnership with T-Hub Launchpad program on Entrepreneurship

CBIT, had partnered with T-Hub's PAN India initiative, that envisions promoting and support Innovation & Entrepreneurship in students thereby creating wealth, strengthening the economy, and establishing sustainable employment opportunities in India. T-Tribe's Launchpad and the Masterclass Programs would nurture & source the individuals and their endeavours and create world-class entrepreneurs. T-Tribe plans to accomplish its goals of creating world-class entrepreneurs through a two-way approach, "Launchpad" and "Masterclass". CBIT has taken membership for the Launchpad Platform i. e One-year long entrepreneurship engagement that is designed for the academic institutions that believe in innovation and entrepreneurship and always go the extra mile in supporting their students to achieve their vision. 50 students of CBIT were nominated and have attended a number of training program sessions arranged under the T-Tribe's Launchpad program from August 20 to May 21. Launchpad programs has focussed on developing an innovation ecosystem among institutions and students. The comprehensive curriculum has also inculcated entrepreneurial competencies and

entrepreneurship as knowledge and practice among the nominated students. 50 students of CBIT were nominated and attended a number of training program sessions arranged under the T-Tribe's Launchpad program. 41 students were certified by T-Tribe for the Entrepreneurship program. 60 students are nominated for the program during 2021-22.

Sample Certificate Issued by T-Hub

Skill Development Program.

- A number of Skill Development programs/Internship are arranged by CBIT for the students. More than 700 students certified by Energy Swaraj Foundation, ESF (under the guidance of AICTE) for the Design of Home Solar System. The skill acquired by the students will help them to plan for development projects, participate in commercial installations and carry out further research in this area. CBIT was issued appreciation certificate.

- Products developments like Cyber Security system, GPS System, Transformer Monitoring system along with MSME Company M/S Kernel Sphere. 43 students participated during the product/software development and demonstrated knowledge & understanding of the engineering and management principles and could apply this knowledge.

- With MSME and Industry interaction, Students learned how to Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary project development.

- CSE and IT Department of CBIT conducted a number of Software related skill development programs for the students.

Date - 25-Jun-2020

To whomsoever it may concern

Subject: Thanking for supporting the Energy Literacy Drive by the Energy Swaraj Foundation.

The world faces the **Energy Paradox**, wherein more energy is required for fast-paced economic growth, while carbon emissions from fossil energy are causing catastrophic climate change. Realizing that energy is the primary culprit of climate change, the **Energy Swaraj Foundation is pushing towards 100% renewable energy future.**

As a part of its **Energy Literacy Drive, the Energy Swaraj Foundation** had launched the course to "**Design a Solar System for Homes**" delivered by Prof. Chetan Singh Solanki, Department of Energy Science and Engineering, IIT Bombay.

With this letter, we would like to express our gratitude towards **Chaitanya Bharathi Institute of Technology (A)** for your support towards the **Energy Literacy Drive as a Partner Organization**. We thank you for taking the initiative one step forward by certifying **more than 500 students** from your institute.

Regards,

Swati Kalwar,
Chief Executive Officer
Energy Swaraj Foundation

HONOUR CODE
CERTIFICATE
Iss-SC_776

Energy Swaraj Foundation
Energy by Locals for Locals

Certificate of Appreciation

This is to certify that

Chaitanya Bharathi Institute of Technology (A)

has partnered in the short course on "*Learn to Design your own Solar Home System*" by rendering its full-fledged support in ensuring the participation of maximum students. The certificate has been awarded as a part of the **Energy Literacy Drive** of the Energy Swaraj Foundation.

25-Jun-2020
Date

Swati Kalwar
Chief Executive Officer
Energy Swaraj Foundation

The authenticity of this certificate can be validated at download-certificate-les-certificate.php#l

Certificate Issued by Energy Swaraj foundation.

AICTE IDEALAB Establishment

AICTE has approved for the Establishment of the prestigious **Idea Lab** at CBIT (one Among four colleges at Hyderabad). AICTE will be providing a fund of Rs 15 lakhs for the IDEALab Establishment (As Reimbursement). As per the scheme mentioned in the Letter (issued by AICTE), CBIT's Contribution will be Rs. 80 lakhs. CBIT has submitted the Mandate form to AICTE, expressing the acceptance of the Scheme. The Activities for the Establishment of IDEALAB has been Initiated.

Atal Community Innovation Centre (ACIC)

Atal Innovation Mission (AIM) at NITI Aayog is mandated to promote a culture of innovation and entrepreneurship in India. Until now, AIM has selected a number of institutions for supporting them in establishment of Atal Incubation Centres (AICs) programme. CBIT has also been selected from Telangana by AIM for the establishment of Atal Community Innovation Centre (ACIC) at our Campus. ACIC-CBIT Reserach and Enterpreneurship Foundation has been registered by CBIT as a Special Purpose Vehicle (SPV) under the comapanies Act. The ACIC will provide requisite infrastructure for innovation in the unserved / underserved regions or having potential to build innovation ecosystems in various parts of the country. Thus, nurturing entrepreneurs from the community to help them address various societal challenges.

The objective of the ACIC program is to offer unique and incentivized solutions, whichwill encourage students, researchers or any individual/group of individuals to ideate and esign novel innovative solutions for the communities in and around the Atal Community Innovation Centers. The program would deliver the objectives to ensure,

- Nurture innovators to ideate in areas of societal importance
- Design thinking process to spur creativity
- Opportunity for everyone to innovate, ideate and design solutions, irrespective of their age
- Community oriented approach enabling innovative solutions through Community Tinkering
- lab facilities in the Community Innovation Center
- Capacity building of emerging innovators in evolving technologies and designing their innovations from ideation to impactful solutions.
- Partnerships with local industries / institutions in problem solving through innovative offerings in terms of products, services and processes and identifying innovation challenges
- Public Private Partnership (PPP) to enable support for financial sustainability and
- encourage participation of central agencies, PSUs, other legal entities etc. to mobilize resources for running the program

INCUBATION CENTER at CBIT encourages and mentors ideas from diverse domains as mentioned below

- ✓ Agricultural Farming
- ✓ Water, Sanitation and Solid-Liquid Waste Management
- ✓ Waste heat Recovery Systems
- ✓ Indian Traditional Knowledge system based products.
- ✓ Bio Technology and health monitoring systems and products
- ✓ COVID-19 related solutions and products.
- ✓ New technology and process for enhancing literacy rate in villages.
- ✓ Virtual lab creation and education related applications.
- ✓ Building Materials/Construction Technology
- ✓ Renewable Energy and Environmental sustainability
- ✓ Energy conservation, Energy efficient Motors and Equipments
- ✓ Electric Mobility
- ✓ Emission Control Systems and products
- ✓ Solar Photovoltaic systems and design optimisation
- ✓ Information & Communication Technology (ICT)
- ✓ Application of Artificial Intelligence and machine Learning for product/process
- ✓ Bloch chain related solutions.
- ✓ Additive Manufacturing
- ✓ Cyber Security
- ✓ Drone Technology
- • Other emerging areas of social / national importance

- • Twenty-five plus Start-ups/Idea Incubation are being mentored at CBIT's ACI Incubation centre for their Idea Incubation and product development. One Women Entrepreneurs is being supported.

- • Outreach program conducted to address the issues faced by the communities of Maharjpet Village with innovative solutions by CBIT's students and also to involve the youth and students of the community during the development. A few activities are highlighted below.

S.No	Date	Event Name	Events description and outcome
1	12/1/2022	Community Outreach Program to Gopalpuram, R.R District, to address youth of Gopalpuram	ACIC CBIT team visited Gopularam village, Ranga Reddy District for community outreach program on Swami Vivekananda's 159th Birth anniversary to address all the Village youth regarding the importance of innovation and entreprneurship. They were also told about the upcoming events, facilities in the centre.

2	31/1/2022	CHAITANYAM - Freshmen Ideathon (Final)	Chaitanyam-Freshmen Ideathon was exclusively organized for first years of all degrees, Drop outs, School students and Rural innovators to encourage them in providing sustainable solutions to the society or community problems. The statistics are as follows: 122 teams registered, 275 total participants, 40 Women Teams, 03 PwD teams, 79 General Teams, No. of schools/Colleges participated 14 from 3 States and 10 SDGs are addressed. Out of which 14 Teams are announced as winners of Chaitanyam Freshmen Ideathon in all 3 categories. These Ideas are being further mentored for product development.
3	17/3/2022	Community Outreach Program at Poddatur Village	ACIC reached out to our nearby community (Poddatur Village) and distributed 100 fruit bearing plants and medicinal plants to villagers and asked them to update the growth of plants. The farmers were explained about soil preparation and how to increase soil strength and grow their seasonal fruits, vegetables and medicinal plants.. The future plan is to do capacity building on Entrepreneurship, Marketing and Digital skills so that their micro businesses can sustain themselves.
4	28/5/2022	Idea to Prototype First Cohort (I2P) at CBIT	Idea to prototype is ACIC CBITs Flagship event where finalists of Ideathon are incubated and see that the ideas are converted into prototypes. I2P was conducted and 8 teams out of 10 teams have developed their prototype and showcased their prototypes. The teams were advised for technical improvements and IPRs.
5	30/5/2022	Innovate for Menstrual Waste Hackathon along with M/s WaterAid & the Telangana State Innovation Cell (TSIC)	The Hackathon aims to find solutions for treatment and disposal of used menstrual absorbents in a manner that is safe for the users, environment friendly and can be up-scaled within current waste management systems and processes. To find end to end solutions for menstrual waste management in both urban and rural contexts. Three Start-ups are being incubated at ACIC-CBIT.
6	5/6/2022	Community Outreach Program at Zahirabad along with RICH Hyderabad.	An interaction session with dryland farmers of zahirabad to understand their problems and best practices. The objectives set for this outreach program were:1) To interact with the farming community to identify problems faced in all stages of crop production and sales. 2) Shortlist problem statements for possible solution. 3) Ideation/ hackathon involving students, innovators and start-ups in the region to develop innovative solutions. Problems/Issues related to agriculture in the area identified. This will be solved through Agree Hackathon Planned on 8th and 9th July.
7	1/7/2022	Community Outreach Program Ootapally, DOMA Mandal on Health Related solutions.	The program was on Community Sensitization on health planning, Identification and participation in community health related issues, and allied activities along with RICH, Hyderabad and DMHO, Vikarabad. A number of health related problems/issues were identified for finding innovative solutions through Ideation.

CBIT's Patents Database

Patents, recently Examined and hearing by Patent office.

Sl No.	Title	No and Date of Filing	Inventors	Status
1	Magneto Centrifugal Blood Pump	306263 Dt: 21.05.2018	1. Prof. P. Ravinder Reddy 2. T.Rugveda	Granted Dt: 8.04.2022 Appl No Patent No same
2	Blood Pump Impeller, As a Design Patent	305590 Dt:14.05.2018	1. Prof. P Ravinder Reddy 2. Sri T Rugveda	Granted. Dt: 24-12-22. Appl No Patent No same
3	A Composite Material Extrusion and Method of Manufacturing Thereof	Appl. No: 201741015659 Dt: 12.05.2017	Prof. P Ravinder Reddy , Dr. Ishtiaq Ahmed Khan Dr. Aleem Pasha Mr. P V Kaulgud	Granted. PatentNo: 385240 27.12,.2021
4	*An Apparatus and Method for Joining of Weldable or Non-Weldable Materials*	Appl No: 1550/MUM/2013 Dt: 29.04.2013	Prof. P Ravinder Reddy Dr. Isthiaq Ahmed Khan	Granted Patent NO: 352628 Dt.27.11.2020
5	System and Method for Palm Leaf Character Recognition Using 2d Haar Wavelet Transform and 3d Feature	Appl No: 20164100008 Dt: 15.01.2016	Dr. Panyam Narahari Sastry Dr. N V Koteswara Rao Dr. Ramakrishna Krishnan	Granted
6	Control on pollution levels of petrol engine with low cost catalytic converter	202141044968 04.10.2021	Dr. M. V.S. Murali Krishna, Mrs. Ipsita Mohanty, Dr. Ch.Indira Priyadarshini and Dr. S.Narasimha Kumar	Granted
7	Tribological Behaviour of Hybrid Fiber Reinforced Friction Material	201641028876A Dt: 02.09.2016	Dr. P Ravinder Reddy Sri. K B Jagadeeshgouda Dr. Eshwara Prasad Koorapati	Published

Patents Recently Published /Filed

Sl No	Title	No. and Date of Published/Filed	Inventors	Status
1	Magnetic coupled body fluid pumping apparatus	202141061650 29.12.2021	Prof. P. Ravinder Reddy & T.Rugveda	Published Under Examination
2	Wobbling Wind Turbine Duct Having Exit Fold and Sha;;ow Slots	202241004270 A Dt: 4-2-22	Prof. P. Ravindeer Reddy Ms. L. Ramayee (Research Scholar) Prof. K Supradeepan (BITs Hyderabad)	Published

3	Power transmission network based on optimal generalized interline power flow controller (ogipfc) for optimal power flow for complex networks to meet increased load demand.	202141023572A 11.06.2021	Dr. M. Balasubba Reddy Dr. P. Venkat Prasad	Published.
4	Based Automation of Industry Using Optimized Robotics Process.	202141031661A 13.8.2021	Dr. N.V. Vasantha Gowri and Dr. T. Murali Krishna	Published.
5	al time Multi Class Cardio Arrhythmia Classification, Based on DNN implemented in the IOT Cloud platform	202141038591 03.09.2021	Dr. S. China Ramu (as a third applicant)	Published.
6	Smart Agriculture using Sensor in IoT	202141042980A, 01.10.2021	Dr. S. China Ramu (as a third applicant)	Published.
7	Control of exhaust emissions of auto rickshaw engine run with diesel fuel	202141044969 04.10.2021	Dr. M. V.S. Murali Krishna, Dr.T.Ratna Reddy, Dr.K.Kishor, and Mrs Y,Nagini Dept. of Mech. Engg., CBIT(A).	Published Under Examination.
8	Insulated Partially adiabatic diesel engine (PADE) with an insulated piston operated with methanol and vegetable oil	202141044970 04.10.2021	Dr. M. V.S. Murali Krishna, Dr.N.Janardhan, Dr. R.P. Chowdary and Dr. V.V.R. Seshagiri Rao	Published. Under Examination
9	System for mitigating circulating current in type modular multilevel Converter (mmc)	202141049019 27.10.2021	Dr. M. Balasubba Reddy Dr. P. Venkat Prasad	Published. Under Examination
10	Smart blind stick	352891-001 Dt. 10.11.2021	Mr. Narasimha Kulakarni & Dr. Rahul	Filed
11	Microbial Pigment Compositions Nucleic Acid Staining Agent	202241004271 25-1-22	K. Arunachalam (Zambia) Rajasri Yadavalli (CBIT Faculty) Neha Sharma (maharsi Markandeshawar university Rajesh Kumar Shanmugam (SIMTS) A, Jacob, appa Dorai (Pratusha Engg. College) Ranjit singh	Published. Examination Request filed.
12	Design of Power Quality Analyzer (PQA) using Field Programmable Gate Array (FPGA)	File No.: 202241010487 Publication date: 04/03/2022	Dr M Balasubbareddy, Kondapalli Venkata Sri Ram (PG student), Dr P. Venkata Prasad	Published. Under Examination
13	Arificial Intelligence (AI) Enabled Framework for Detection of Cardio Vascular Diseases	202241032 967 9/6/2022	Ms Kratika Sharma Ms Satya Kiranmai Tadepalli Mr U Sairam, Mr Santhosh etal.	Published

SI No	Title	No. and Date of Registered/Filed	Inventors	Status
14	ise Adaptive Approach for improving the Bit Error Rate(BER) in three dimensional turbo codes.	2022410262065/5/2022	Ms. K. Suman Prof. Reddy Desireddy Krishna	Published

IPR, Copyrights Filed

SI No	Title	No. and Date of Registered/Filed	Inventors	Status
1	Covid Cases Predictor (Computer Software)	323/2022-CO/SW Date: 5-1-22	Yashwanth Javvaji, S Revanth, Siva Rama Krishnan, (Students, CBIT) Dr Sangeeta Gupta, Smt Isha Padhy, Smt K Mary Sudha Rani, (Faculties)	REGISTERD
2	Indian Railway Tracking and Delay Prediction (Computer Software)	326/2022-CO/SW Date: 5-1-22	Rahul S (Student CBIT) Dr Sangeeta Gupta (Faculty)	REGISTERD
3	Wallet Based Smart App with QR-code for efficient usage of metro services using Private Cloud Infrastructure (Computer Software)	320/2022-CO/SW Date: 5-1-22	Dr Sangeeta Gupta, Dr Y Ramadevi, Smt S Durga Devi, (Faculties) NAME: P Akshay, Kakkireni Hrithik Pawan, Kesireddy Rohit Reddy, (Students, CBIT)	REGISTERD
4	Building CI/CD Pipeline for Microservices Applications (Computer Software)	325/2022-CO/SW Date: 5-1-22	Charan Teja, K Sai Kumar, T Vikas, (Students, CBIT) Dr Sangeeta Gupta, G Shanmukhi Rama (Faculties)	REGISTERED
5	Virtual Mouse	2376/2022-CO/SW	Dr G. Vanitha (Faculty) Prof N Ramadevi (Faculty) Dheeraj Venu	Filed. Under Registration
6	Energy Conservation through Smart Sensing	2372/2022-CO/SW	Dr G. Vanitha (Faculty) Ms G Kavitha M. Sahakar	Filed. Under Registration RESCRUTINY
7	Encoder-Decoder Approach to Automated Essay Scoring for a Deeper Semantic Analysis	2367/2022-CO/SW	Ms I Srujana (Faculty) Priyatam Naravajhula Sreedeep Rayavarapu	Filed. Under Registration RESCRUTINY
8	Fingerprint Image Identification	4043/2022-CO/SW 23/02/2022	N.S Shivani (Student) Dr R. Ravinder Reddy & Dr Ruresh Mishra(Faculties)	Filed. Under Registration Work Awaiting
9	Nutritious Recipe Advisor for Personalized Diet	4042/2022-CO/SW 23/02/2022	B. Mouna Shruthi (Student) Dr T. Sridevi, Dr Rupesh Mishra, Ms. M. Sudha Rani. Dr R. Ravinder Reddy (Faculties)	Filed.

10	Social Distancing Alerting System	4041/2022-CO/SW 23/02/2022	Sai Ananya Sree Vedala Dharini V (students) A Sangeetha & A Mohan (faculties)	Filed.
11	Productivity Booster	4040/2022-CO/SW 23/02/2022	M. Gowtham Sai, Dr E. Padamala (faculty)	Filed.
12	Bi directional isolated dc-dc converter circuit for EV battery storage	Registration number: L-112510/2022 Granted date: 28.02.2022	Dr M Balasubbareddy, K Venkata Sri Ram (PG student), Y Ranadheer (BE student)	Registered
13	Fuzzy based SoC control for battery life extension	Diary number: 5809/2022-CO/L Filing of application: 16.03.2022	Dr M Balasubbareddy, K Venkata Sri Ram (PG student)	Filed

Start-Up Related Activities and Details:

Start-ups Idea Incubation Details

S.No	Startup/ Incubation Name	SDGs	About Startup	Stage
1	College Bag Pvt Ltd (CBIT's Alumni)	Goal 4: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all	College Bag private Limited was established in Nov, 2020 with registration as MSME by one of the 2019 ECE batch Alumni Mr K. Jeevan Reddy . An MoU has been signed by CBIT with M/s College bag Pvt. Limited for mentoring and guiding the start-up, which will work in the area of innovation designs & technology which helps college students, & Farmers etc.	Incubation Stage
2	M/s Fastworks Consulting Services Pvt Ltd (3D Labs India) (MSME and Start-up)	Goal 9 (Goal 9 or SDG 9) is about "industry, innovation and infrastructure	M/s Fastworks Consulting Services Pvt Ltd (3D Labs India) is a digital solutions provider based in Hyderabad. It has been agreed to develop Innovative designs in the fields of 3D Printing technologies, Agriculture application of Drone and Robotics with technical Guidance and mentorship from the incubation Centre at CBIT.	Incubation Stage

3	Interleaved multidisciplinary Research Center (CBIT- MSME)	Goal 3 GOOD HEALTH AND WELL-BEING	IMRC is interested in engaging and idea incubation CBIT(A) in areas of mutual interest with focus areas as follows. 1.Equipment development for Covid-19 related solutions. Mechatronics, Medical Electronics and equipments etc. 2. Lab model prototype of Covid related protection equipments are under advanced stage of development .	Incubation Stage
4	Life Achievement and Life Meditation (LAALM) Pvt Ltd (Start-up)	SDGs – 3 (Good Health & Well Being); 8 (Decent Work & Economic Growth); 11 (Sustainable Cities & Communities)	LAALM Products & Services: LAALM offers the following core products / services 1) Holistic Guided and Unguided Meditation catering to Body, Mind and Soul of Human Being. 2) Topical meditation sessions to improve various aspects of life such as relationships, abundance, focus, attention, etc.	Incubation Stage Registered as a private limited company
5	Startegy-M (By CBIT's Faculty)	SDGs 4 Quality education SDG 9- Industry, Innovation and Infrastructure	StrategyM provides various consultancy services focusing on Strategic Management to organizations of different sectors, to build careers and organizations. StrategyM is the parent firm which is also used to promote The DOT and House of HRs..	Incubation Stage.
6	Knight Group (MSME)	SDG 12 Responsible consumption and Production SDG 13 Climate Action	Kinght group is into Manufacturing of an In-wheel motor, Semi autonomous electric car and Increasing Day to Day range with Solar cells	Incubation Stage
7	Dirisinapu Agritec Solutions (OPC) Pvt. Ltd. (Faculty CBIT-Startup)	SDG 12 Responsible consumption and Production SDG 13 Climate Action	Dirisinapu Agritec Solutionsare building Decision-making tools that bring consistency, dependability and sustainability to agri-businesses.With capabilities of live reporting, analysis, interpretation and insight that span across geographies, they are digitizing every farm, while data-managing the entire ecosystem. The smarter agrisolutions are powered in real-time; for users to archive patterns, predict trends, to make a blueprint for the business in the times to come.	Incubation Stage
8	Orange Squadron MSME)	SDG11 – Sustainable Cities and Communities	Orange Squadron is Developing an affordable IoT digital device for the safety of women.	Pre-Incubation

9	Artificial Intelligence - Driven Bra for Early Breast Cancer Detection	SDG3 : Good Health and Well Being	The Smart Bra will help to detect breast cancer using the piezoelectric sensors embedded in it. Unlike existing cancer-detection technology that uses radiation, this technology emits ultrasound waves – like those employed in high-intensity focused ultrasound (HIFU) and low-intensity pulsed ultrasound (LIPU) – to perform echography scans for potentially cancerous cells. The ultrasound waves are generated using piezoelectric sensors, which are devices that run on energy generated when pressure is applied to a piezoelectric material. After wearing the Smart Bra, the ultrasound technology would detect a suspicious mass if any after which the wearer will be alerted. The wearer can then follow up with a specialist.	Pre-Incubation
10	Nirbhay 2020 (women safety device) (- Registered as an MSME)	SDG 11 – Sustainable Cities and Communities	Nirbhay 2020 is a device helps women to protect themselves from any attacks. And be able to pass information to their family members and to the police and friends. In addition, the device can also give an electric shock to those who come to attack them. This can be done with a single click. Passing information means that the device is able to pass all this information to its family members and friends, the police, the live location and messages and calls that he is in danger with a single click, regardless of our phone	Pre-Incubation
11	Automatic coconut water extraction machine	SDG 9- Industry, Innovation and Infrastructure	The company is developing a machine used in extraction of coconut water inefficient way where it involves minimal manpower	Pre-Incubation
12	Truss (CBIT-Registered as an MSME)	SDG- 4- Quality education , SDG 8-Decent work and economic growth, SDG9-Industry, Innovation and Infrastructure SDG17-partnership for goals	Truss are developing a student entrepreneurial education and networking platform with the aim to aid in the education of students from all over the country to learn the necessary skills to be an entrepreneur. Also providing a secure end to end networking platform where one can meet the most compatible business partner	Pre-Incubation
13	Waste Management	SDG-13, Climate Action SDG 11 – Sustainable Cities and Communities	They are working on swachh bharat mission and providing waste solution to Industries and municipal Corporation. We are making products like industrial pallets and School benches with waste plastic and industry waste like ceramic waste and foundry industry sand waste.	Pre-Incubation

14	AR Hologram Teaching in rural areas (CBIT student Regd as an MSME)	SDG-4, Quality Education	This team is developing effective teaching in rural areas using the AR hologram technology. The aim is to improve student and teaching experiences in the rural community	Pre-Incubation
15	Sridevi Machinery Works Private Limited (Start-up)	SDG-9, Industry, Innovation and Infrastructure	Sridevi Machinery Works has built a machine-Mono Wheel Man riding power weeder will help farmers in reducing physical burden, reduce the crop loss and protect farmer from the harsh summer climate.	Rural Innovator Registered startup
16	BALANCE (CBIT)	SDG-3, Good Health & Well Being	An application that promotes users towards mental wellness and assists patients with psychological treatment using artificial intelligence with behavioral analysis.	Pre-Incubation
17	JUMBO (CBIT students)	SDG 12 Responsible consumption and Production	With the goal to save user time and food wastage the team wants to Develop an application for automating mess/canteen food distribution systems.	Pre-Incubation
18	Go Artisan (CBIT students)	SDG 8, Decent Work and Economic Growth	The team has an idea to set up an online platform as well as offline stores across the country to sell the handicrafts and handlooms.	Pre-Incubation
19	Geo-Alass (CBIT students)	SDG 13- Climate action	The team is developing a method Collecting e-wastes from various places and gathering them at one place through the E-sols app without harming the environment.	Pre-Incubation
20	AGRICARE	SDG-12, Responsible Consumption and Production	The team is trying to bring awareness to farmers regarding the adverse consequences due to their agricultural practices and giving them specialized and personalized solutions for their problems with advance healthy methods	Pre-Incubation
21	Wanderers (CBIT students)	SDG 8, Decent Work and Economic Growth	Team wanderers are Providing equal job opportunities for the unemployed and poor by creating an app and website that will help them locate nearby jobs in the area by using AI. Along with that, they intend to provide food and shelter for the old by locating nearby old age homes and childcare centers for poor children who are unable to access education.	Pre-Incubation

22	BHARAT REVIVES (CBIT students)	SDG 8, Decent Work and Economic Growth	The goal is to create an online platform where various artists and artisans can sell their products in order to increase their income while also propagating the beauty of the art.The team wants to try to preserve such art forms and restore India to its former cultural heritage.	Pre-Incubation
23	FoodResq (CBIT students)	SDG 12, Responsible Consumption & Production	The team wants to work on reducing food wastage using	Pre-Incubation
24	Your life assist (for assisted living) (CBIT students)	SDG-3, Good Health & Well Being	The idea revolves around developing an app that can assist people in their day-to-day lives. This app will target helping the elderly and disabled by providing them with the necessary health care facilities and providing a way for them to socialize and connect to people for their physical and mental well-being.	Pre-Incubation
25	Spartan (CBIT students)	SDG-16, Peace, Justice & Strong Institutions	An informative platform/Organization to bring awareness about human trafficking	Pre-Incubation
26	Token Disc	SDG-8 Decent Work & Economic Growth	Crypto based educational, investment and trading app	Pre-Incubation
27	Sonic Airtek (MSME)	SDG-9, Industry, Innovation and Infrastructure	Development of a conveyor belt system for transport of cultivated crop for further processing. The proposed product Innovation will help in shifting the raw material from farm to go down and go down to market yards in an efficient way.	Pre-Incubation
28	Shallow Waterways Shipping Pvt Ltd. (Start-up)	SDG-9, Industry, Innovation and Infrastructure	Manufacturing a Proper Hexagon Container (with Bottom Door for unloading) for grains, seeds & Fertilizers: storing, shifting and transporting easily, quickly, safely & economically anywhere in the world.	Incubation Stage Startup